

REMARKS**I. Introduction**

Claims 2-10, 12 and 13 are pending in this application, of which claims 2, 3, 12, and 13 are independent. Applicants acknowledge, with appreciation, the Examiner's indication that claims 3-9 and 13 are allowed.

Applicants submit that by the present Remarks, this application is placed in clear condition for immediate allowance.

II. Claim Rejections—35 U.S.C. § 103

Claims 2, 10, and 12 have been rejected under 35 U.S.C. § 103 as being unpatentable over Denney et al. (U.S. Patent Application Publication No. 2003/0061623, hereinafter "Denney") in view of Momona et al. "Technologies and Standardization Activities in Cable TV Access Networks" ("Momona"). In the statement of the rejection, the Examiner admitted that Denney does not explicitly teach a structure analysis block for analyzing an MPEG structure included in the received TEK process data and a MAC structure buried in the MPEG structure to perform error detection using HCS data and error detection using MAC header information except for HCS data. However, the Examiner asserted that Momona teaches the missing features of Denney and concluded that it would have been obvious to modify the device of Denney based on the teachings of Momona to arrive at the claimed subject matter. This rejection is respectfully traversed.

Applicants submit that Denney and Momona, either individually or in combination, do not disclose or suggest a device including all the limitations recited in independent claim 2. Specifically, the applied combination does not teach, among other things, "a structure analysis

block for analyzing an MPEG structure included in the received TEK process data and a MAC (Media Access Control) structure buried in the MPEG structure to perform error detection using HCS data and error detection using MAC header information except for HCS data and output MAC state information data that represents a state and meaning of MAC data having the MAC structure,” as recited in claim 2.

In particular, the Examiner asserted as follows (the paragraph bridging pages 3 and 4 of the Office Action) (emphasis in original):

Momona teaches a structure analysis block for analyzing an MPEG structure included in the received TEK process data and a MAC (Media Access Control) structure buried in the MPEG structure to perform error detection using HCS data and error detection using MAC header information except for HCS data [Figure 3 and section 2.4.1].

Applicants respectfully disagree with the Examiner’s understanding of Momona at least because the reference does not teach “error detection using MAC header information except for HCS data,” as recited in claim 2. Momona in section 2.4.1 describes, “[t]he MPEG2 packets further undergo error correction coding based on ITU-J.83 B.” This means that the header correction code (Reed-Solomon code) is added to a packet at a transmitter for error detection and error correction. In contrast, the claimed device utilizes “MAC header information except for HCS data” which is not a code added at a transmitter for error detection and error correction. Accordingly, Momona does not teach performing “error detection using MAC header information except for HCS data...,” as recited in claim 2, and thus, does not cure the deficiencies of Denney.

Based on the foregoing, Denney and Momona, either individually or in combination, do not disclose or suggest a device including all the limitations recited in independent claim 2. Dependent claim 10 is also patentably distinguishable over Denney and Momona at least because the claim includes all the limitations recited in independent claim 2. The above discussion is

also applicable to independent claim 12 which recites, among other things, performing error detection using MAC header information except for HCS data. Applicants, therefore, respectfully solicit withdrawal of the rejection of the claims and favorable consideration thereof.

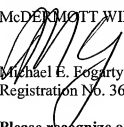
III. Conclusion

In view of the above remarks, Applicants submit that this application should be allowed and the case passed to issue. If there are any questions regarding this Amendment or the application in general, a telephone call to the undersigned would be appreciated to expedite the prosecution of the application.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

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